



LED Street Light S2 SERIES

**5 YEAR
WARRANTY**



Areas of application

- Local roads
- Express roads
- Town roads
- Residential area roads
- Pedestrian crossings
- Parking areas

Product Benefits

- 70% energy saving, short ROI period
- Up to 100,000hrs @ L70, low maintenance cost
- World class, approbated quality components (LEDs/Driver/etc.)
- Support horizontal and vertical mounted, suitable for different light poles
- Tool-less opening of driver box, ease of maintenance
- 5 years warranty

Product Features

- Luminaire efficacy: Up to 170 lm/w
- Lifetime more than 100,000 hours
- Impact resistance: IK10
- Type of protection: IP66



Product Datasheet

Version S

Model No		NSL-S-S2-020S	NSL-S-S2-020SE	NSL-S-S2-040S	NSL-S-S2-040SE	NSL-S-S2-060S	NSL-S-S2-080S
Nominal Wattage		20W	20W	40W	40W	60W	80W
3030 Version	Efficacy Lumen	155 lm/w 3100 lm	165 lm/w 3300 lm	150 lm/w 6000 lm	160 lm/w 6400 lm	150 lm/w 9000 lm	140 lm/w 11200 lm
5050 Version	Efficacy Lumen	160 lm/w 3200 lm	170 lm/w 3400 lm	160 lm/w 6400 lm	165 lm/w 6600 lm	160 lm/w 9600 lm	155 lm/w 12400 lm

Version M

Model No		NSL-S-S2-080M	NSL-S-S2-080ME	NSL-S-S2-100M	NSL-S-S2-120M	NSL-S-S2-150M
Nominal Wattage		80W	80W	100W	120W	150W
3030 Version	Efficacy Lumen	150 lm/w 12000 lm	160 lm/w 12800 lm	155lm/w 15500 lm	155 lm/w 18600 lm	145 lm/w 21750 lm
5050 Version	Efficacy Lumen	160 lm/w 12800 lm	170 lm/w 13600 lm	165 lm/w 16500 lm	160 lm/w 19200 lm	155 lm/w 23250 lm

Version L

Model No		NSL-S-S2-150L	NSL-S-S2-150LE	NSL-S-S2-180L	NSL-S-S2-200L	NSL-S-S2-240L
Nominal Wattage		150W	150W	180W	200W	240W
3030 Version	Efficacy Lumen	150 lm/w 22500 lm	160 lm/w 24000 lm	150 lm/w 27000 lm	150 lm/w 30000 lm	150 lm/w 36000 lm
5050 Version	Efficacy Lumen	155 lm/w 23250 lm	165 lm/w 24750 lm	160 lm/w 28800 lm	160 lm/w 32000 lm	160 lm/w 38400 lm

*Above values are calculated based on the product with CCT over 3000K, values of 3000K are 5% lower than above values.

*Values shown are subject to ±5% tolerance.

Electrical Data

Nominal Voltage	AC 100-240V/277V 50/60Hz
LED	Philips Lumileds
Driver	Inventronics / Other brands on request
Power Factor (PF)	>0.95
THD	<15
SPD	10KV (Default) / 20KV (available on request)
Optics	Type II, Type III
Standard Deviation of Color Matching	<5 SDCM
CRI	Ra>70 (Default) / Ra>80
CCT	3000K, 4000K, 5000K, 5700K

General Data

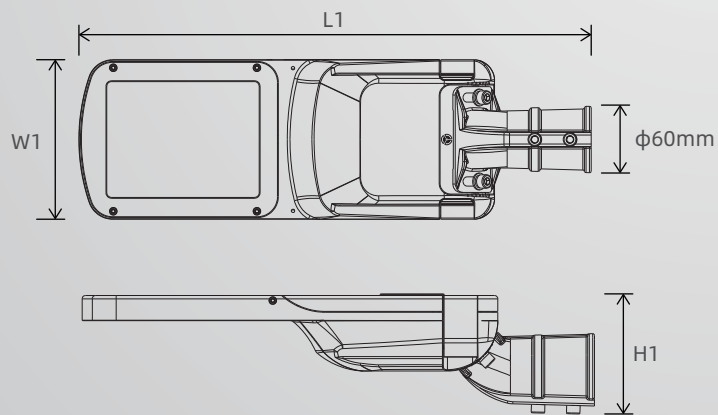
Body Material	High pressure die-cast aluminum
Housing Color	Gray (Default) /Black (available on request)
Cover Material	Tempered glass
Lens Material	UV-resistant Polycarbonate
Working Environment	-40°C ~ +55°C, 10% ~ 90%RH
Lifespan L70 at 25 °C	>100,000 h
Mounting Type	Side entry or Vertical pole mounted
Dimmable	1-10V Dimming (Default) /Timer Dimming
Protection Class	Class I (Default) /Class II
Standards	SASO, CE, RoHS, ENEC, CB, LM79, LM80, TM-21, IP66, IK10
Available on request	NEMA socket (3/5/7pins), ZHAGA socket, Short cap, Photocell, Motion sensor, Knife switch, NTC, OLC, Solar Compatible, DALI Dimming

Product Datasheet

Structure Drawing



Dimensions

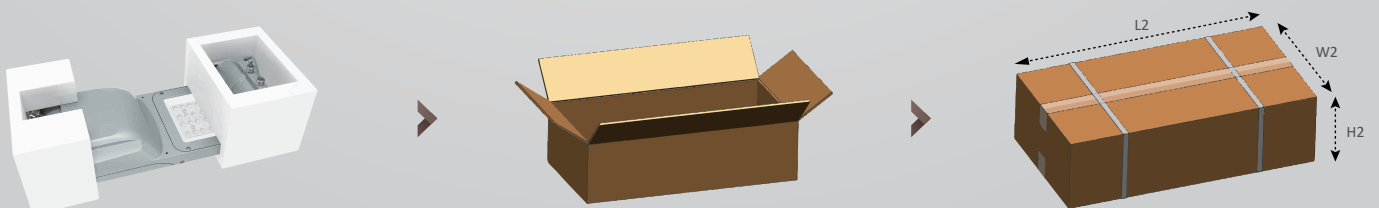


Fixture Information

Version	L1 xW1 xH1	Weight
S	610 x190 x143mm	4.7kg
M	660 x240 x143mm	5.8kg
L	762 x290 x143mm	8.1kg

Package Information

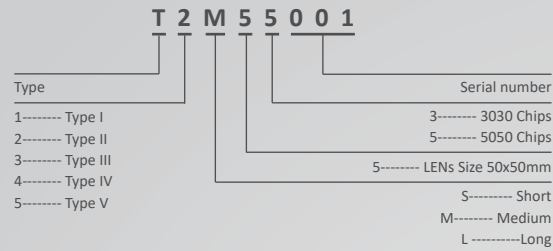
Version	L2 xW2 xH2	Weight
S	545 x240 x175mm	5.2kg
M	600 x295 x175mm	6.4kg
L	705 x345 x175mm	8.8kg



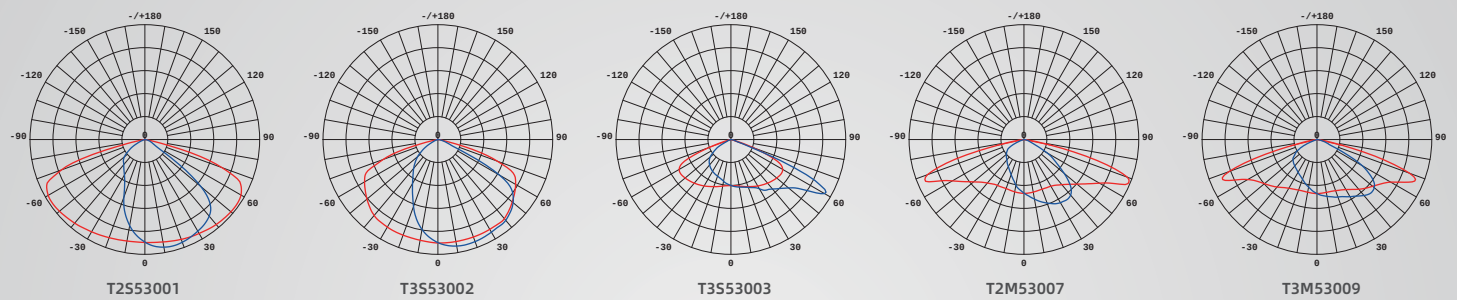
Product Datasheet

Light Distributions

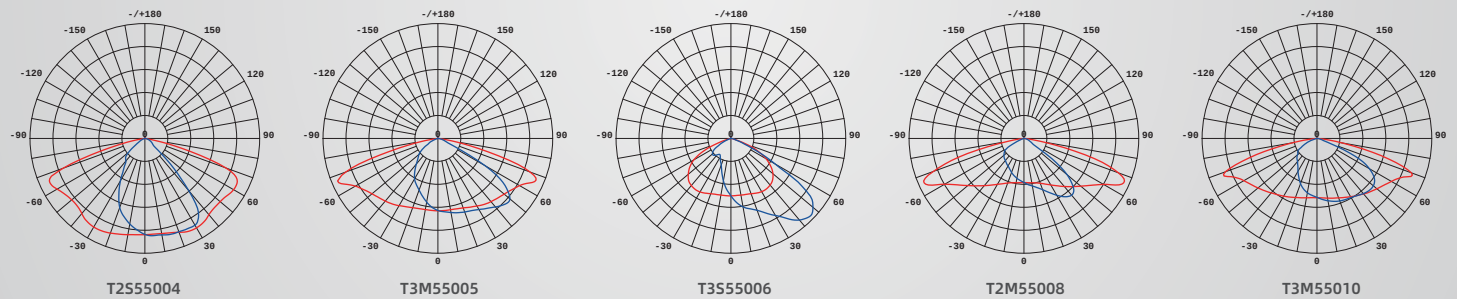
Order Reference



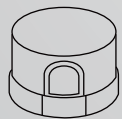
3030 Version



5050 Version



Optional Accessories



Photocell



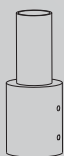
Shorting Cap



NEMA Socket
(3/5/7 Pin)



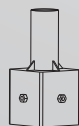
Knife switch



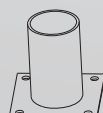
"80-60mm"



"60-40mm"



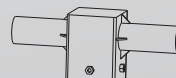
Square to round



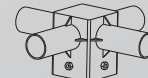
"T" Type



"L" Type



"2" in "1"



"4" in "1"

Product Datasheet





LED Flood Light

S2 SERIES



Areas of application

- Recreational sports
- Billboard lighting
- Accent lighting
- Parking lots
- Roundabout
- Outdoor sports

Product Benefits

- Up to 100,000hrs @ L70, low maintenance cost
- World class, approbated quality components (LEDs /Driver /etc.)
- Equip with vent to avoid internal fogging and frosting
- Wide choice of optics to suit more applications (asymmetrical and symmetrical)
- Buckle design makes it very easy for further maintenance
- 5 years warranty

Product Features

- Luminaire efficacy: Up to 170 lm/w
- Lifetime more than 100,000 hours
- Impact resistance: IK10
- Type of protection: IP66



Product Datasheet

Version S

Model No		NSL-F-S2-030S	NSL-F-S2-030SE	NSL-F-S2-040S	NSL-F-S2-050S
Nominal Wattage		30W	30W	40W	50W
3030 Version	Efficiency Lumen	140 lm/w 4200 lm	155 lm/w 4650 lm	150 lm/w 6000 lm	140 lm/w 7000 lm

Version M

Model No		NSL-F-S2-060M	NSL-F-S2-060ME	NSL-F-S2-080M	NSL-F-S2-080ME	NSL-F-S2-100M	NSL-F-S2-120M
Nominal Wattage		60W	60W	80W	80W	100W	120W
3030 Version	Efficiency Lumen	150 lm/w 9000 lm	165 lm/w 9900 lm	145 lm/w 11600 lm	160 lm/w 12800 lm	145 lm/w 14500 lm	145 lm/w 17400 lm
5050 Version	Efficiency Lumen	160 lm/w 9600 lm	170 lm/w 10200 lm	155 lm/w 12400 lm	165 lm/w 13200 lm	155 lm/w 15500 lm	155 lm/w 18600 lm

Version L

Model No		NSL-F-S2-150L	NSL-F-S2-150LE	NSL-F-S2-180L	NSL-F-S2-180LE	NSL-F-S2-200L	NSL-F-S2-240L
Nominal Wattage		150W	150W	180W	180W	200W	240W
3030 Version	Efficiency Lumen	145 lm/w 21750 lm	160 lm/w 24000 lm	150 lm/w 27000 lm	155 lm/w 27900 lm	145 lm/w 29000 lm	140 lm/w 33600 lm
5050 Version	Efficiency Lumen	155 lm/w 23250 lm	165 lm/w 24750 lm	160 lm/w 28800 lm	165 lm/w 29700 lm	155 lm/w 31000 lm	150 lm/w 36000 lm

Version X

Model No		NSL-F-S2-320X	NSL-F-S2-320XE	NSL-F-S2-400X
Nominal Wattage		320W	320W	400W
3030 Version	Efficiency Lumen	155 lm/w 49600 lm	160 lm/w 51200 lm	150 lm/w 60000 lm
5050 Version	Efficiency Lumen	165 lm/w 52800 lm	170 lm/w 54400 lm	160 lm/w 64000 lm

*Above values are calculated based on the product with CCT over 3000K, values of 3000K are 5% lower than above values.

*Luminous Efficacy of Asymmetrical is 5% lower than other Light Distributions.

*Values shown are subject to ±5% tolerance.

General Data

Electrical Data:

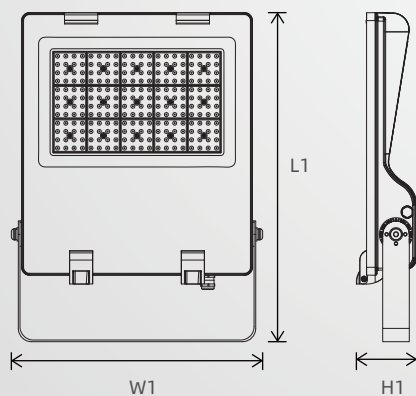
Body Material	High pressure die-cast aluminum	Nominal Voltage	AC 100-240V /277V 50/60Hz
Housing Color	Gray (Default) /Black (available on request)	LED	Philips Lumileds
Cover Material	Tempered glass	Driver	Default: Inventronics for 30-320W
Lens Material	UV-resistant Polycarbonate		SOSEN for 400W
Working Environment	-40°C ~ +50°C, 10%~90%RH	Power Factor (PF)	>0.95
Lifespan L70 at 25 °C	>100,000 h	THD	<15
Mounting Type	Bracket mounted	SPD	10KV (Build-in Driver)
Mounting Location	Wall/Pole/Floor/Ceiling		Extra 10KV SPD (Order on request except version X)
Dimmable	1-10V Dimming (Default) /Timer Dimming	Optics	25°, 60°, 90°, 120° or Asymmetrical
Protection Class	Class I (Default) /Class II (30W-240W)	Standard Deviation of Color Matching	<5 SDCM
Standards	CE, RoHS, ENEC, CB, LM79, LM80, TM-21, IP66, IK10	CRI	Ra>70 (Default) /Ra>80
Available on request	Photocell, Motion sensor, NTC, OLC, Solar Compatible, DALI Dimming	CCT	3000K, 4000K, 5000K, 5700K

Product Datasheet

Structure Drawing



Dimensions

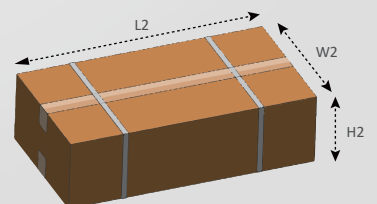


Fixture Information

Version	L1 xW1 xH1	Weight
S	345 x226 x81mm	2.3kg
M	447 x321 x90mm	4.4kg
L	495 x378 x90mm	6.0kg
X	639 x507 x92mm	12.0kg

Package Information

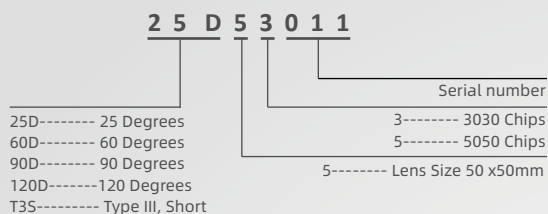
Version	L2 xW2 xH2	Weight
S	350 x295 x145mm	2.9kg
M	425 x385 x140mm	4.9kg
L	470 x445 x145mm	6.7kg
X	655 x570 x180mm	13.5kg



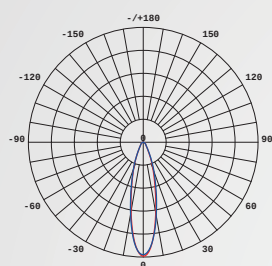
Product Datasheet

Light Distributions

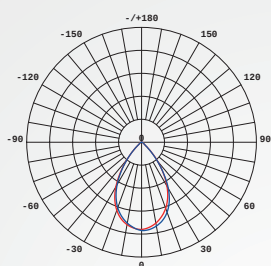
Order reference



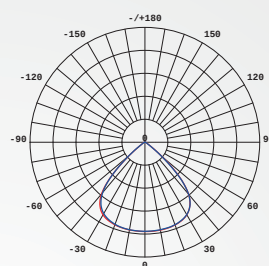
3030 Version



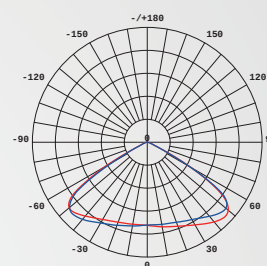
25D53011



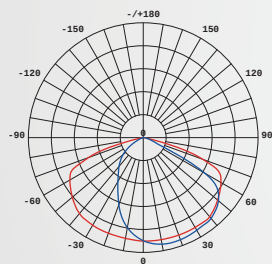
60D53012



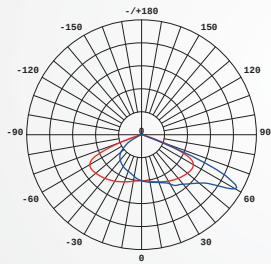
90D53013



120D53014

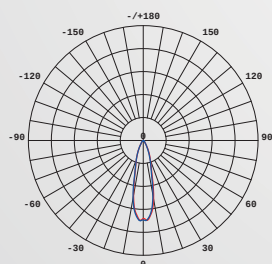


T3553002

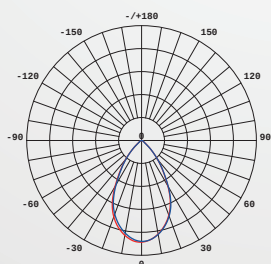


T3553003

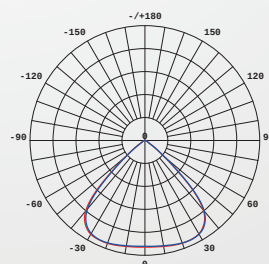
5050 Version



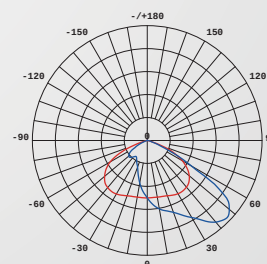
25D55017



60D55015

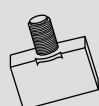


90D55016



T3555006

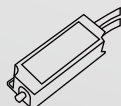
Optional accessories



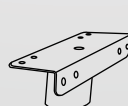
Photocell



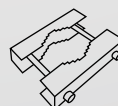
PIR Sensor



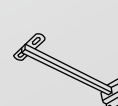
Smart Controller



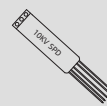
Pole Adapter



Clamp Bracket



Mounting Arm



Extra 10KV SPD

Product Datasheet



Product Datasheet



LED High Bay Light S1 SERIES

**5 YEAR
WARRANTY**



Areas of application

- Warehouse
- Garages
- Workshop
- Commercial Facilities
- Aisles (Open & Stock)
- Field Houses & Gymnasiums



Product Benefits

- 70% energy saving, short ROI period
- Up to 50,000hrs @ L70, low maintenance cost
- Durability, suitable for dry and wet applications
- Versatile in mounting with wall mounted, loop hanging, steel chain hanging
- RoHS compliant, environmental friendly, no mercury or lead, 100% recyclable
- 5 years warranty

Product Features

- Luminaire efficacy: Up to 190 lm/w
- Symmetrical beam angle: 60°, 90°, 110°
- Impact resistance: IK10
- Type of protection: IP65
- Available from 3000K, 4000K 5000K, 5700K
- Available with Motion/PIR Sensor



Product Datasheet

Electrical Specifications

Model No.	NSL-B-S1-100S	NSL-B-S1-150S	NSL-B-S1-150M	NSL-B-S1-200M
Nominal Wattage	100W	150W	150W	200W
Nominal Voltage	AC 100-240V/277V			
Mains Frequency	50/60Hz			
LED	Lumileds 2835/3030	Lumileds 3030	Lumileds 2835	Lumileds 2835/3030
Driver Brand	SOSEN			
Power Factor (PF)	> 0.95			
THD	< 10			
SPD	4KV line-line, 6KV line-earth			

Photometric Specifications:

Luminous Efficacy (±5%) 2835 Version: 3030 Version:	190 lm/w 145 lm/w	– 140 lm/w	190 lm/w –	190 lm/w 145 lm/w
Lumen Output (±5%) 2835 Version: 3030 Version:	19000 lm 14500 lm	– 21000 lm	28500 lm –	38000 lm 29000 lm
Optics	60°, 90°, 110°			
Standard Deviation of Color Matching	<5 SDCM			
CRI	Ra>70 (Default)/Ra>80			
CCT	3000K, 4000K, 5000K, 5700K			

Dimension & Weight

Fixture Dimension (mm)	286 x 286 x 147	286 x 286 x 147	330 x 330 x 165	330 x330 x165
Fixture Weight (kg)	2.6	2.6	3.4	3.4
Packing Type	1 Unit/Ctn	1 Unit/Ctn	1 Unit/Ctn	1 Unit/Ctn
Packing Dimension (mm)	330 x 330 x 155	330 x 330 x 155	375 x 375 x 155	375 x 375 x 155
Packing Weight (kg)	3.2	3.2	4.2	4.2

Mechanical Specifications

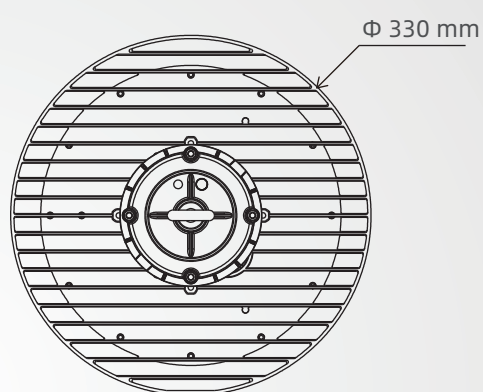
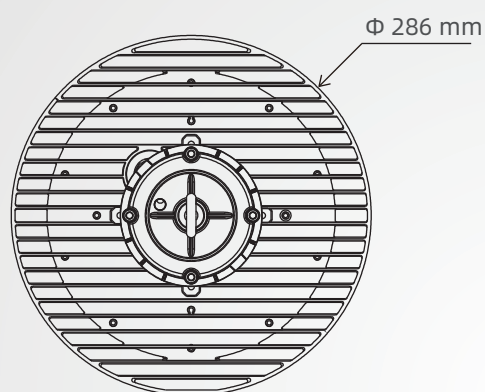
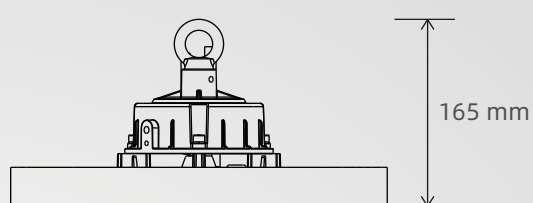
Body Material	Die-cast Aluminum Housing
Housing Color	Black
Cover Material	PC
Cable Length	300 mm (Input); 210mm (Dimming)
Ambient Temperature Range	-40°C ~ +50°C
Number of Switching Cycles	100,000
Lifespan L70 at 25 °C	50,000 h (2835), 100,000 h (3030)
Mounting Type	Hook Loop, Various Brackets
Mounting Location	Wall/Ceiling
Dimmable	0-10V/PWM/Resistor/Zigbee Wireless Dimming
Type of Connection	Cable, 3-pole
LED Module Replaceable	Replaceable

Certificates & Standards

Protection Class IK (shock resistance)	IK10
Protection Class	Class I
Type of Protection	IP65
Standards	CE, RoHS

Product Datasheet

Dimension

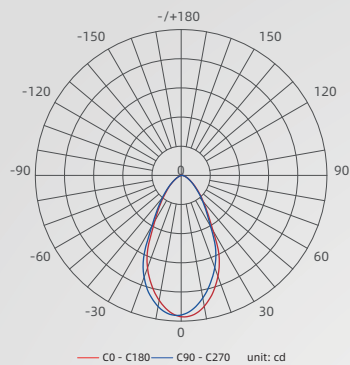


Structure Drawing

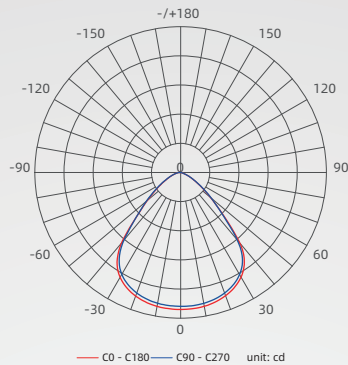


Product Datasheet

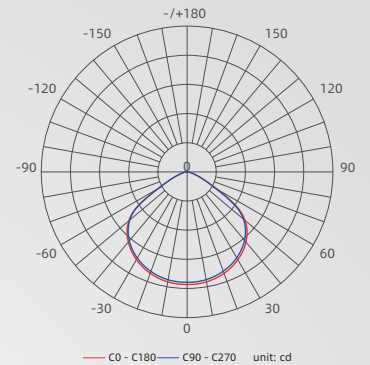
60° Beam Angle



90° Beam Angle



110° Beam Angle



100 WATTS

HEIGHT	60° BEAM ANGLE	LUX (AVG)
3m	Ø3.5m	877 lx
5m	Ø5.8m	316 lx
7m	Ø8.1m	161 lx

100 WATTS

HEIGHT	90° BEAM ANGLE	LUX (AVG)
3m	Ø6.0m	395 lx
5m	Ø10.0m	142 lx
7m	Ø14m	72 lx
9m	Ø18m	44 lx

100 WATTS

HEIGHT	110° BEAM ANGLE	LUX (AVG)
3m	Ø8.0m	222 lx
5m	Ø14.3m	80 lx
7m	Ø20.0m	41 lx
9m	Ø25.7m	25 lx
11m	Ø31.4m	17 lx

150 WATTS

HEIGHT	60° BEAM ANGLE	LUX (AVG)
3m	Ø3.5m	1237 lx
5m	Ø5.8m	445 lx
7m	Ø8.1m	227 lx

150 WATTS

HEIGHT	90° BEAM ANGLE	LUX (AVG)
3m	Ø6.0m	558 lx
5m	Ø10.0m	201 lx
7m	Ø14.0m	103 lx
9m	Ø18.0m	62 lx

150 WATTS

HEIGHT	110° BEAM ANGLE	LUX (AVG)
3m	Ø8.0m	315 lx
5m	Ø14.3m	113 lx
7m	Ø20.0m	58 lx
9m	Ø25.7m	35 lx
11m	Ø31.4m	23 lx

200 WATTS

HEIGHT	60° BEAM ANGLE	LUX (AVG)
3m	Ø3.5m	1708 lx
5m	Ø5.8m	615 lx
7m	Ø8.1m	314 lx

200 WATTS

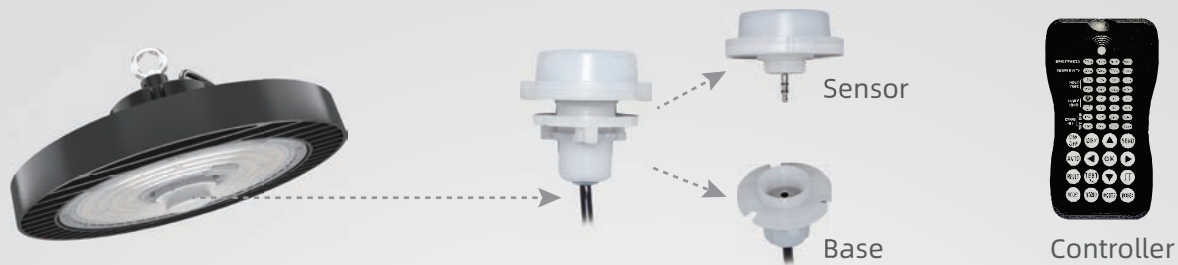
HEIGHT	90° BEAM ANGLE	LUX (AVG)
3m	Ø6.0m	780 lx
5m	Ø10.0m	281 lx
7m	Ø14.0m	143 lx
9m	Ø18.0m	87 lx

200 WATTS

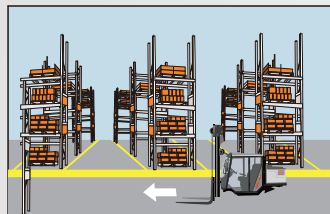
HEIGHT	110° BEAM ANGLE	LUX (AVG)
3m	Ø8.0m	429 lx
5m	Ø14.3m	154 lx
7m	Ø20.0m	79 lx
9m	Ø25.7m	48 lx
11m	Ø31.4m	32 lx

Product Datasheet

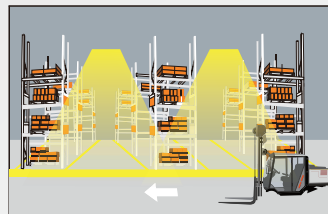
Microwave Motion Sensor



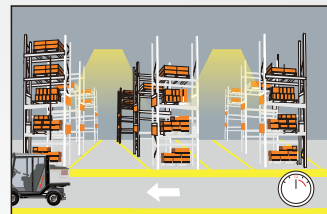
When used in combination with 0-10V dimmable LED drivers, the sensors can achieve 3-step dimming function, 100%→low light→off. And the sensors have built-in adjustable daylight sensors, which are very easy to install and cost-effective.



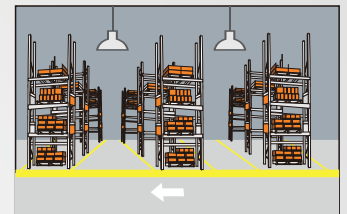
With sufficient ambient light, the sensor does not switch on the lamp.



With insufficient ambient light, the sensor switches on the lamp when motion is detected.



After hold time, the sensor dims the lamp at a low light level if no new motion trigger is detected.

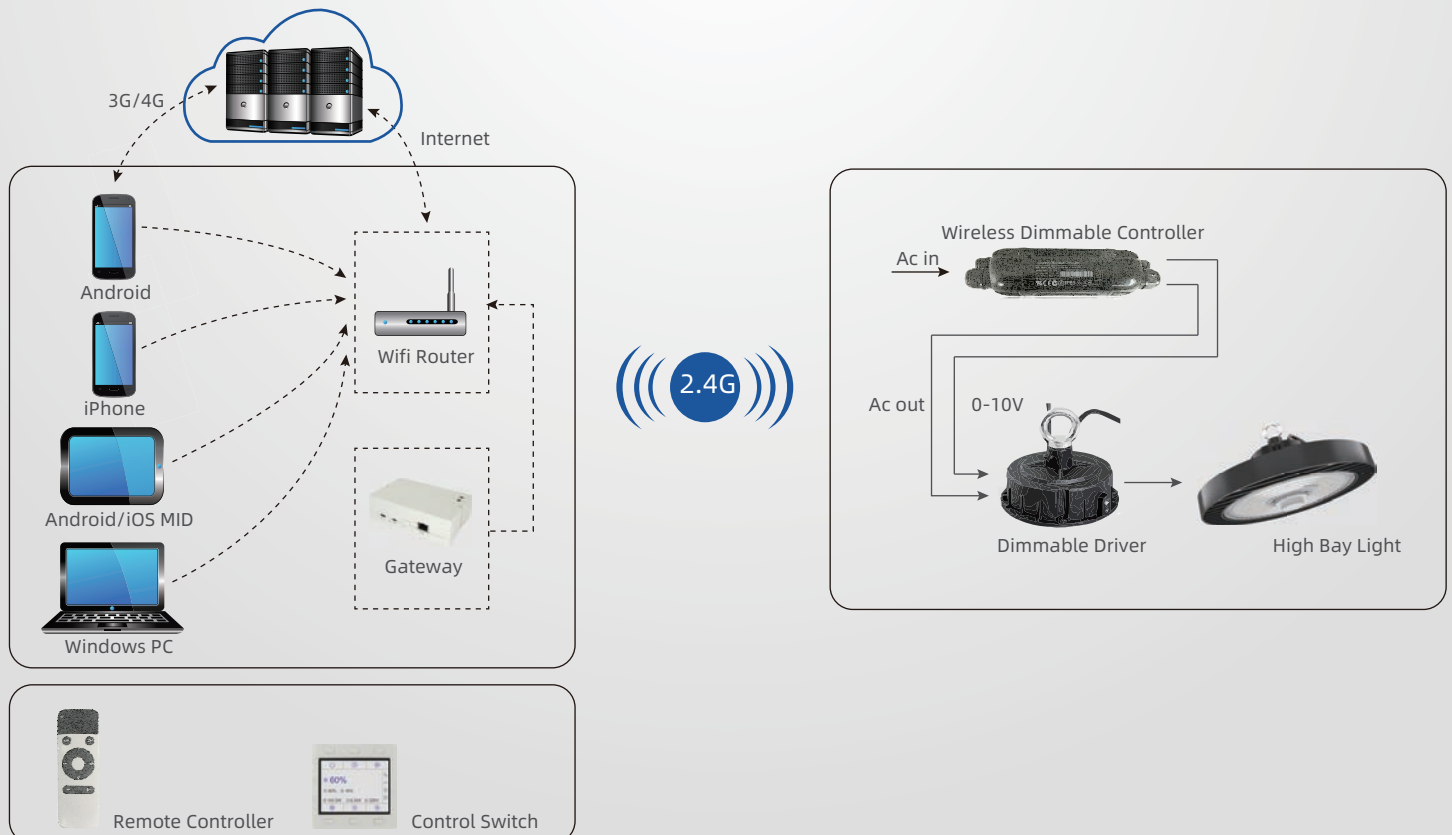


After stand-by period, the sensor switches off the lamp if no motion is detected in its detection zone.

ZigBee Wireless Control System

ZigBee 2.4G 1-10V dimming LED controller. Connected to a dimming driver, this controller shows real-time data on App, such as current, power rate and power consumption. It is applied to street, office and industry LED lighting for dimming purposes. It works with 1-10V or 0-10V dimming drivers. Also, it works with ZigBee lighting control system to achieve short-distance or long-distance controlling led lights by Mobile Phone, Tablet, PC, Touch Switch, Remote Control, Daylight Sensor and Motion Sensor.

System Diagram



Product Datasheet



LED High Mast Light S1 SERIES

**5 YEAR
WARRANTY**



Areas of application

- Stadiums
- Sport Facilities
- Field Houses & Gymnasiums
- Commercial Facilities
- Open Yards

Product Benefits

- 70% energy saving, short ROI period
- Up to 100,000hrs @ L70, low maintenance cost
- Durability, suitable for dry and wet applications
- 5 years warranty

Product Features

- Luminaire efficacy: Up to 150 lm/w
- Symmetrical beam angle: 15°, 30°, 45°, 60°
- Impact resistance: IK10
- Type of protection: IP66
- Available from 3000K, 4000K, 5000K, 5700K
- Whole fixture 0-360° adjustable; Single module 0-90° adjustable



Product Datasheet



Electrical Specifications

Model No.	NSL-M-S1-280M	NSL-M-S1-560M	NSL-M-S1-840M
Nominal Wattage	280W	560W	840W
Quantity of Modules/LEDs	1 Modules/ 448pcs	2 Modules / 896pcs	3 Modules / 1334pcs
Nominal Voltage	AC 100-240V/277V		
Mains Frequency	50/60Hz		
LED	Lumileds 3030 2D		
Driver Brand	Inventronics		
Power Factor (PF)	>0.95		
THD	<20		
Dimmable	0-10V		
Type of Connection	Cable, 3-pole		

Photometric Specifications:

Lumen Output (±5%)	42000 lm	84000 lm	126000 lm
Luminaire Efficacy (±5%)	150 lm/W	150 lm/W	150 lm/W
Optics	15°, 30°, 45°, 60°		
Standard Deviation of Color Matching	<5 SDCM		
CRI	Ra>70		
CCT	3000K, 4000K, 5000K, 5700K		

Dimension & Weight

Fixture Dimension (mm)	687x 320 x 222	687 x 578 x 222	687 x 836 x 222
Fixture Weight (kg)	17.0	30.0	43.0
Packing Type	1 Unit/Ctn.		
Packing Dimension (mm)	770 x 385 x 235	770 x 640 x 235	770 x 900 x 235
Packing Weight (kg)	20.0	35.5	50.0

Mechanical Specifications

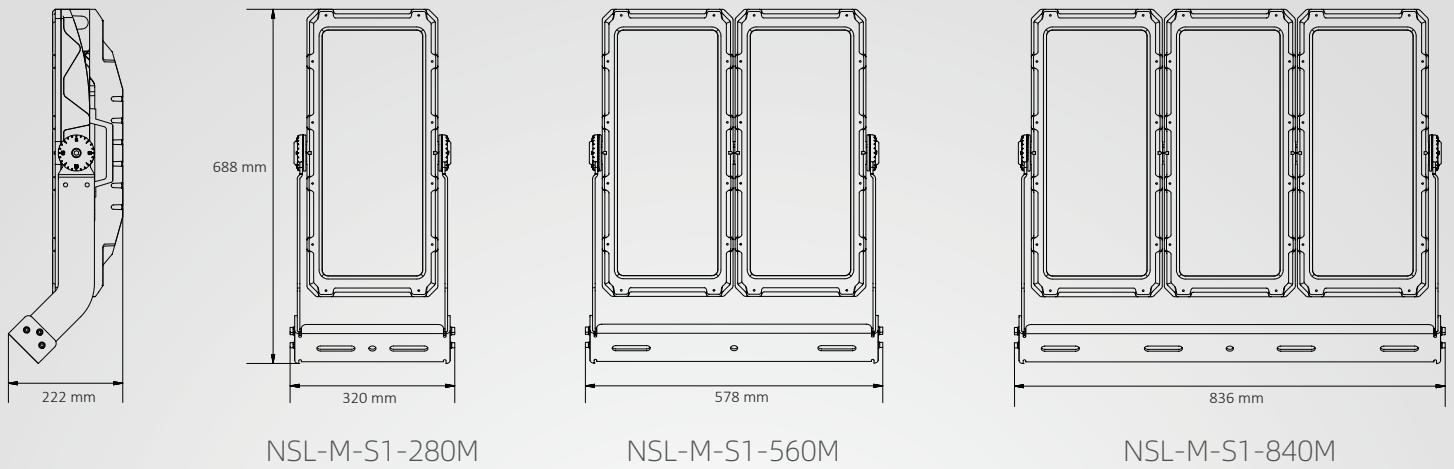
Body Material	Die-cast Aluminum Housing		
Housing Color	Black		
Cover Material	PC		
Ambient Temperature Range	-40°C ~ +50°C		
Lifespan L70 at 25 °C	100,000 h		
Installation	Whole fixture 0-360° adjustable; Single module 0-90° adjustable		

Certificates & Standards

Protection Class IK (shock resistance)	IK10
Protection Class	Class I
Type of Protection	IP66
Standards	CE, RoHS

Product Datasheet

Dimension



Structure Drawing



Optional laser pen can be used to correct the direction of illumination during installation.



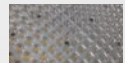
High-end Inventronics programmable LED driver, integrate dimming function and 6KV /10KV surge protection. Provide excellent performance and lifespan.



Standard 10KV Surge protection device to provide more reliable guarantee for LED driver, extend the life of the product.



Philips Lumileds 3030 2D
Greater than 180lm/W high efficacy, illumination grade LED light source.



Variety of beam angle are available for different lighting requirements, Tempered glass cover effectively protects LEDs from damage.



The whole fixture can be 0-360° adjustable, and the single module can be 0-90° adjustable.

Product Datasheet



LUMINOR



لومينور